

## Preface

2022 The 2nd International Conference on Mechanical Engineering, Intelligent Manufacturing and Automation Technology (MEMAT 2022) was planned to be held on January 07-09, 2022 in Guilin, China. Due to the impact of COVID-19, many communities from all over the world were under strict health measures and strict travel restrictions, and participants of 2022 The 2nd International Conference on Mechanical Engineering, Intelligent Manufacturing and Automation Technology (MEMAT 2022) also meet with the difficulty of travel restrictions. Considering the situation that most of the authors would like to publish their articles and make academic communications as scheduled, MEMAT 2022 was held on-line instead of postponing the conference. It was a challenge, not only to the organizers, but also to the participants who were delivering their speeches using videoconference tools, under different time zones.

MEMAT 2022 is to bring together innovative academics and industrial experts in the field of Mechanical Engineering, Intelligent Manufacturing and Automation Technology to a common forum. The primary goal of the conference is to promote research and developmental activities in engineering materials, manufacturing technology and another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working all around the world. The conference will be held every year to make it an ideal platform for people to share views and experiences in Mechanical Engineering, Intelligent Manufacturing, Automation Technology and related areas.

The conference brings together about 250 leading researchers, engineers, and scientists in the domain of interest from China, France, Malaysia, Australia and Singapore. The conference model was divided into two parts, including keynote presentations and online discussion. In the first part, each keynote speakers were allocated 30 minutes to present their talks via Zoom. After the keynote talks, all participants joined in a WeChat communication group to discuss more about the talks and presentations.

We were greatly honor to have invited six distinguished experts as our keynote speakers. Prof. Xinde Li, Southeast University, was the first one to perform a thought-provoking speech. His main research interests: intelligent robotics, machine vision perception, machine learning, human-computer interaction, intelligent information fusion and artificial intelligence, etc. The others keynote speakers as follow: Prof. Tao Zhang, North China University of Technology, NCUT; Prof. Jiming Liu, Chongqing University of Posts and Telecommunications; Prof. Wanlin Li, Chongqing University of Posts and Telecommunications; Prof. Qixin Cao, Shanghai Jiao Tong University, China; Prof. Zhiliang Pan, Guilin University of Electronic Technology, China. Their insightful speeches had triggered heated discussion in the second session of the conference. The WeChat discussion lasted for about 30 minutes. Every participant praised this conference for disseminating useful and insightful knowledge.

The proceedings of MEMAT 2022 span over 3 topical tracks, that include: Mechanical Engineering, Intelligent Manufacturing, Automation and Other related topics. All the papers have been through rigorous review and process to meet the requirements of international publication standard.

We would like to express our gratitude to everyone involved. Without this dedicated cooperation, it would be impossible to hold the conference at such a high level and prepare the MEMAT 2022 proceedings.

*The Committee of MEMAT 2022*

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